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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/535,050	01/30/2006	David Harbec	1770-322US	2219

20988 7590 09/28/2010

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EXAMINER
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BARCENA, CARLOS

ART UNIT	PAPER NUMBER
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1795

MAIL DATE	DELIVERY MODE
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09/28/2010

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows using original SPECIFICATION (SPEC) dated 05/13/2005:

On page 2 of the original SPEC, the paragraph found on lines 2-8 beginning with "The present invention provides..." and ending with "...and collecting the carbon nanostructures." is replaced with paragraph [0005] from amendment to the SPEC dated 04/13/2010. Within this replacement paragraph [0005], "non-onions" found in line 2 is replaced with --nano-onions--.

On page 5 of the original SPEC, the paragraph found on line 8 through page 6, line 16 beginning with "A high enthalpy plasma torch..." and ending with "...of the invention (see Figure 3B)." is replaced with paragraph [0026] from amendment to the SPEC dated 07/27/2009.

On page 6 of the original SPEC, the paragraph found on line 17 through page 7, line 2 beginning with "In the experiments described herein..." and ending with "...the lengths of the tubes may be affected by any of these changes." is replaced with paragraph [0027] from amendment to the SPEC dated 07/27/2009.

On page 7 of the original SPEC, the paragraph found on line 29 through page 8, line 3 beginning with "The present invention can involve..." and ending with "...should also show significant catalytic effects." is replaced with paragraph [0032] from amendment to the SPEC dated 07/27/2009.

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On page 8 of the original SPEC, the paragraph found on lines 4-10 beginning with “Using TCE as a carbon source gas...” and ending with “...simultaneously injected into the plasma.” is replaced with paragraph [0033] from amendment to the SPEC dated 07/27/2009.

On page 8 of the original SPEC, the paragraph found on lines 11-23 beginning with “The plasma torch...” and ending with “...the outlet of the vacuum pump.” is replaced with paragraph [0034] from amendment to the SPEC dated 07/27/2009.

On page 8 of the original SPEC, the paragraph found on lines 24-30 beginning with “Helium or argon gas...” and ending with “...require much lower flowrates.” is replaced with paragraph [0035] from amendment to the SPEC dated 07/27/2009.

On page 9 of the original SPEC, the paragraph found on lines 7-10 beginning with “The type and flow rate...” and ending with “...with arc current at 350 A.” is replaced with paragraph [0038] from amendment to the SPEC dated 07/27/2009.

2. Amendments to the SPEC filed 03/02/2009 and 11/12/09 are moot being superseded by amendment to the SPEC dated 04/13/2010 for paragraph [0005] and amendment to the SPEC dated 07/27/2009 for paragraphs [0026, 0027, 0032-0035, and 0038] as described above.

3. Previous Examiner’s Amendment dated 08/04/2010 is still valid.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carlos Barcena whose telephone number is (571) 270-5780. The examiner can normally be reached on Monday through Thursday 8AM - 5PM EST.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jennifer Michener can be reached on (571) 272-1424. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Jennifer K. Michener/  
Supervisory Patent Examiner, Art Unit 1795

/Carlos Barcena/  
Examiner, Art Unit 1795